

REMARKS/ARGUMENTS

(For the Examiner's convenience the paragraph numbers below correspond to the paragraph numbers in the Office Action.)

1. The Examiner reminded Applicant of the proper content of an abstract of the disclosure but failed to disclose what the defects in the abstract are. Applicant has deleted the current Abstract and replaced it with a paragraph which better reflects the proper content of an abstract.
2. The Examiner stated that the title of the invention is not descriptive and required a new title that is clearly indicative of the invention to which the claims are directed. Applicant has deleted the current title and replaced it with a title which is clearly indicative of the invention to which the claims are directed.
3. The Examiner objected to the disclosure because Application Serial Number 09/333,825 is now U.S. Patent No. 6,795,110 B1. The Examiner stated that the specification should be updated to reflect this information. Applicant has so updated the specification.
4. The Examiner objected to the disclosure because of the following minor typographical errors:

on page 21 of the specification, after careful consideration, the following should be corrected: on lines 10 and 19, "Figure 3" should be changed to read "Figure 2"; on line 32, "Figure 4" should be changed to read "Figure 3"; and on line 13, "lever 1612" should read "lever 1613";

on page 23 of the specification, after careful consideration, the following should be corrected: on line 23, "Reed relay 1" should be changed to read "Reed relay1814"; and

on page 24 of the specification, after careful consideration, the following should be corrected: on line 24, "charging circuit 1835" should be changed to read "charging circuit 1833".

Applicant has corrected all the minor typographical errors noted by the Examiner

Amendments to the Drawings:

The attached sheets of drawings include changes to Figs. 5 and 8. The sheet including Figs. 4 and 5, replaces the original sheet including Figs. 4 and 5. In Figure 5, reference number 181 has been amended to 184. The sheet including Fig. 8, replaces the original sheet including Fig. 8. In Figure 8, reference number 373a for the antennas has been added.

5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character “181” has been used to designate both a power switch (Figure 1) and a battery (Figure 5).

Applicant has amended reference number 181 to 184 on Figure 5. Applicant has also noted that the battery had been associated with reference numbers 181 and 183 in the specification and has corrected these typographical errors also.

6. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 173 (Figure 3), 174 (Figures 3 and 8), and 1001 (Figure 10).

Applicant has amended paragraph [0122] to add references to reference numbers 173 and 174. Support for this amendment can be found in U.S. Patent No. 6,795,110 from column 11, line 66 to column 12, line 5. Applicant has amended paragraph [0150] to add reference number 1001. Upon inspection and after careful consideration it was determined that reference number 1001 represents the hard plastic casting referred to in this paragraph. No new matter has been added.

7. The Examiner stated “Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in the reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled “Replacement Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the Examiner, the Applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.”

Applicant has amended several paragraphs of the specification and has provided an Annotated Sheet and a Replacement Sheet for the sheet containing Figures 4 and 5; and has provided a

Replacement Sheet for the sheet containing Figure 8. See above for detailed description and the Appendix.

8. The Examiner rejected Claims 2, 9, and 25 because of the claim language includes the following features that are not immediately apparent in the specification: “an antenna”; “hydrocarbon liquids”; “epoxy resin”, and “casting”. The Examiner stated: “The Applicant is asked to identify the above features in the specification or if need be make appropriate amendments. The Applicant is reminded that when making amendments to include a statement that no new matter has been added. For the purposes of examination, the Examiner will attempt to match claim features to similar features clearly found within the specification.”

Claims 9 and 25 have been cancelled thus removing any reference in the claims to “hydrocarbon liquids”; “epoxy resin”, and “casting”. Amended Claim 2, and original Claim 3 refer to “an antenna”. Antennas are clearly visible on Figure 8. Figure 8 has been amended to add reference number 373a for the antennas. It is clear from this Figure and the specification that the RF signals are fed to the antenna 373a. An appropriate reference to the antenna 373a has therefore been added to paragraph [0127]. No new matter has been added.

9. The Examiner objected to Claim 18 because Claim 18 states that it depends from Claim 117. The Examiner stated: “Clearly there is no Claim 117; thus, it is apparent that Claim 18 was meant to depend from Claim 17. For the purposes of examination, Claim 18 will be interpreted to depend from Claim 17.”

Applicant points out that this rejection is obviated by cancellation of claim 17 and amendment of claim 18 in order to make it allowable. See below.

11. The Examiner rejected Claims 19 and 22-25 under 35 U.S.C. 102(b) as being anticipated by Fraker et al.

Applicant has cancelled Claims 19 and 22-25.

18. The Examiner rejected Claims 1, 10, 12-15, and 17 under 35 U.S.C. 103(a) as being unpatentable over Kamata et al. in view of Ford et al.

Applicant has cancelled Claims 1, 10, 12-15, and 17.

24. The Examiner rejected Claims 8 and 9 under 35 U.S.C. 103(a) as being unpatentable over Kamata et al. in view of Ford et al. in further view of Fraker et al.

Applicant has cancelled Claims 8 and 9.

27. The Examiner rejected Claim 20 under 35 U.S.C. 103(a) as being unpatentable over Fraker et al. in view of Ford et al.

Applicant has cancelled Claim 20.

29. The Examiner objected to Claims 2-7, 11, 16, 18, and 21 as being dependent upon a rejected base claim, but stated they would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicant has amended Claim 2 to be a combination of original Claims 1 and 2. Applicant has amended the dependency of Claim 4. It now depends from new Claim 2.

Applicant has amended Claim 11 to be a combination of original Claims 1, 10 and 11.

Applicant has amended Claim 16 to be a combination of original Claims 12, 13 and 16.

Applicant has amended Claim 18 to be a combination of original Claims 18, 17, 13 and 12.

30. The Applicant has added new Claims 26-35 in order to better define what he considers to be his invention. These new Claims are essentially the same as Claims 2-7, 11, 16, 18, and 21, as amended with the exception that "radio signal" has been replaced by "radiation signal". Support for this can be seen in the specification of the instant application and in the claims and specification of U.S. Patent No. 6,795,110.

An additional fee of \$700 is due on account of the above amendments. See attached Patent Application Fee Determination Record. A fee of \$510 is due for response within the 3rd month. A credit card authorization for the total amount of \$1210 is attached. Reconsideration of this application and its early allowance are respectfully requested in view of the above presented amendments and remarks.

Respectfully submitted,



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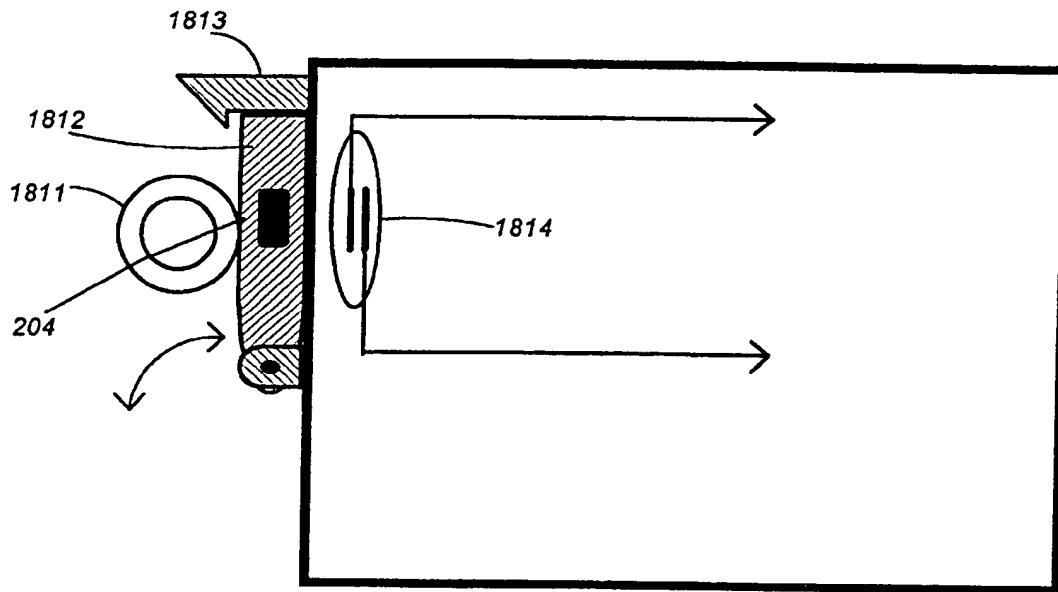


FIG. 4

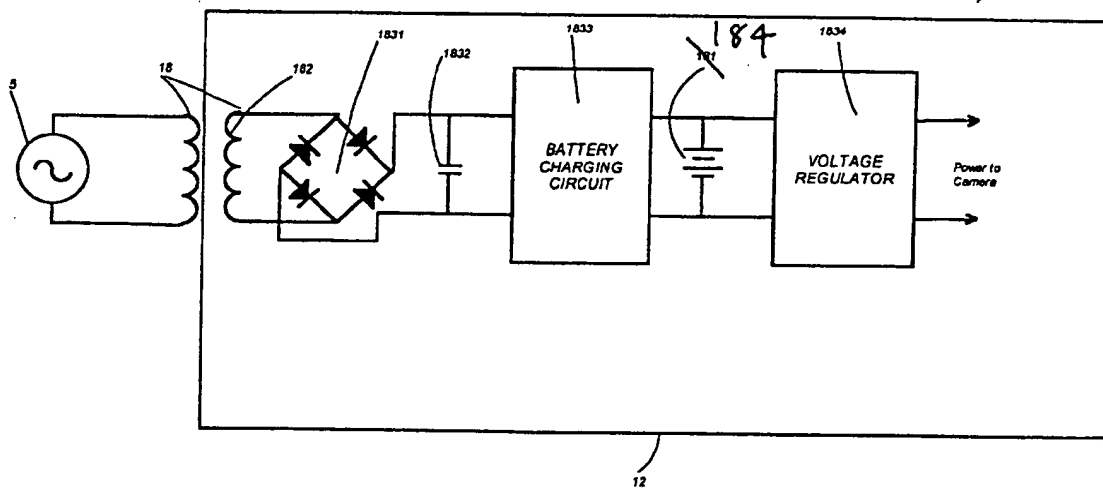


FIG. 5